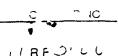
NOTICE!

ALL DRAWINGS
ARE LOCATED
AT THE END OF
THE DOCUMENT



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TRIS L R

FPAIKOR F J FTANCIS, GE GCCOWIN, R HEALY, TJ IC KER EH LENS J. P

KELE P B

KERSH JM KIRBY WA

KIRKE O, JA MAJESTIC, J.R.

JATHEWS, TA MEURRENS BE MORGAN RV

NORTH P PALMER LA POTTER, GL

P 771/10, V M

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WIEBE, J.S WILKINSON, R.B.

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ROCKY FLATS PLANT P O BOX 464 GOLDEN COLORADO 80402-0464 (303) 966 7000

May 20 1991

91 RF 3000

Robert M Nelson Jr

Manager

DOE, RFO

John Rampe Attn

OUT OF SPECIFICATION SURFACE WATER SAMPLE JEE 0043 91

Attached please find two Water Sample Reports and a map for two surface water samples which were out of specification with respect to current standards for radionuclides Below is the tabulated data from surface water stations Pond C 2 and Pond A 3 taken December 5 1990 and October 29 1990 respectively The specified reporting thresholds designated by IAG and CWQCC are also listed

Location	Isotope		Threshold Limit (pCi/L)	Result (pCi/L)
C 2 pond	Plutonium 239	240	0 05	0.073 ± 0.024
C 2 pond	Americium 241		0 05	0.082 ± 0.020
A 3 pond	Americium 241		0 05	0.1 ± 0.023

This is the first out of specification event for the specific radionuclides mentioned above at both of these locations and may be an isolated occurrence. These stations are considered critical and are NPDES discharge points. However, radionuclides are not required NPDES monitoring parameters

We will keep a close watch on these stations future monitoring should determine if additional investigative measures are needed. The delay in reporting these out of specification results is due to sample backlog and analysis times of the contract lab

CLASSIFICATION

CORRES CONTROL

UCNI NOT UNCLASSIFIED CON IDENTIAL SECRET

AUTHORIZED CLASSIFIER SIGNATURE

J E Evered Director

1 / An 14 9.

Environmental Management

DATE 5/21/91

BAM csk

IN REPLY TO LTR NO

Orig and 1 cc R M Nelson Jr

Attachment

As Stated

LTR APPROVALS ARZ YKE ORIG & TYPIST INITIALS

> rAMI CHL RF 6469 (R ~91)

ADMIN RECORD

E3C000 L0U0-A

OUT OF SPECIFICATION WATER SAMPLE REPORT

Sample No. NP50214WC Date, October 29 1990 Lab TMA/Norcal

Location A 3 Pond

Map attached. Yes

Quality Assurance Concerns. Data are not validated

Parameter

Threshold Limit (pCi/L) Result (pCi/L)

Americium 241

01 + 00230.05

Source of Criterion. IAG CWQCC

Reporting Required? Yes Nature of Requirement Critical Station and

NPDES discharge point

Location of nearest surface water. Walnut Creek Water Classification Segment 5

Source of observed results (if known). There was appreciable natural precipitation on October 19 1990 0 32 inches and on October 20 1990 None of the upstream surface water stations exhibited any 0 67 inches americium contamination

Current control/investigative actions. On October 29 1990 Pond A 3 started being discharged Clean Water Act Division (CWAD) monitored Pond A 3 discharge radionuclides using the on site laboratory as part of the State Exchange Report program The Americium 241 concentration in Pond A 3 Effluent reported to the State was 0 035 ± 0 037 pCi/L

Proposed control/investigative actions. Further characterization of this area will be included as part of the characterization of Operable Unit 6 Walnut Creek

Other comments. Radionuclides are not required NPDES monitoring parameters

Date of Report. May 14 91

Preparer. B A Montano

OUT OF SPECIFICATION WATER SAMPLE REPORT

Sample No., NP50268WC Date, December 5 1990 Lab. TMA/Norcal

Location, C 2 Pond Water Classification Segment 5 Map attached. Yes

Quality Assurance Concerns. Data are not validated

Parameter Threshold Limit (pCi/L) Result (pCi/L) Americium 241 0 05 0 082 \pm 0 020 Plutonium 239 240 0 05 0 073 \pm 0 024

Source of Criterion. IAG CWQCC

Reporting Required? Yes Nature of Requirement. NPDES discharge point

Location of nearest surface water. South Interceptor Ditch (SID) SW027 and Woman Creek is Water Supply Classification Segment 4

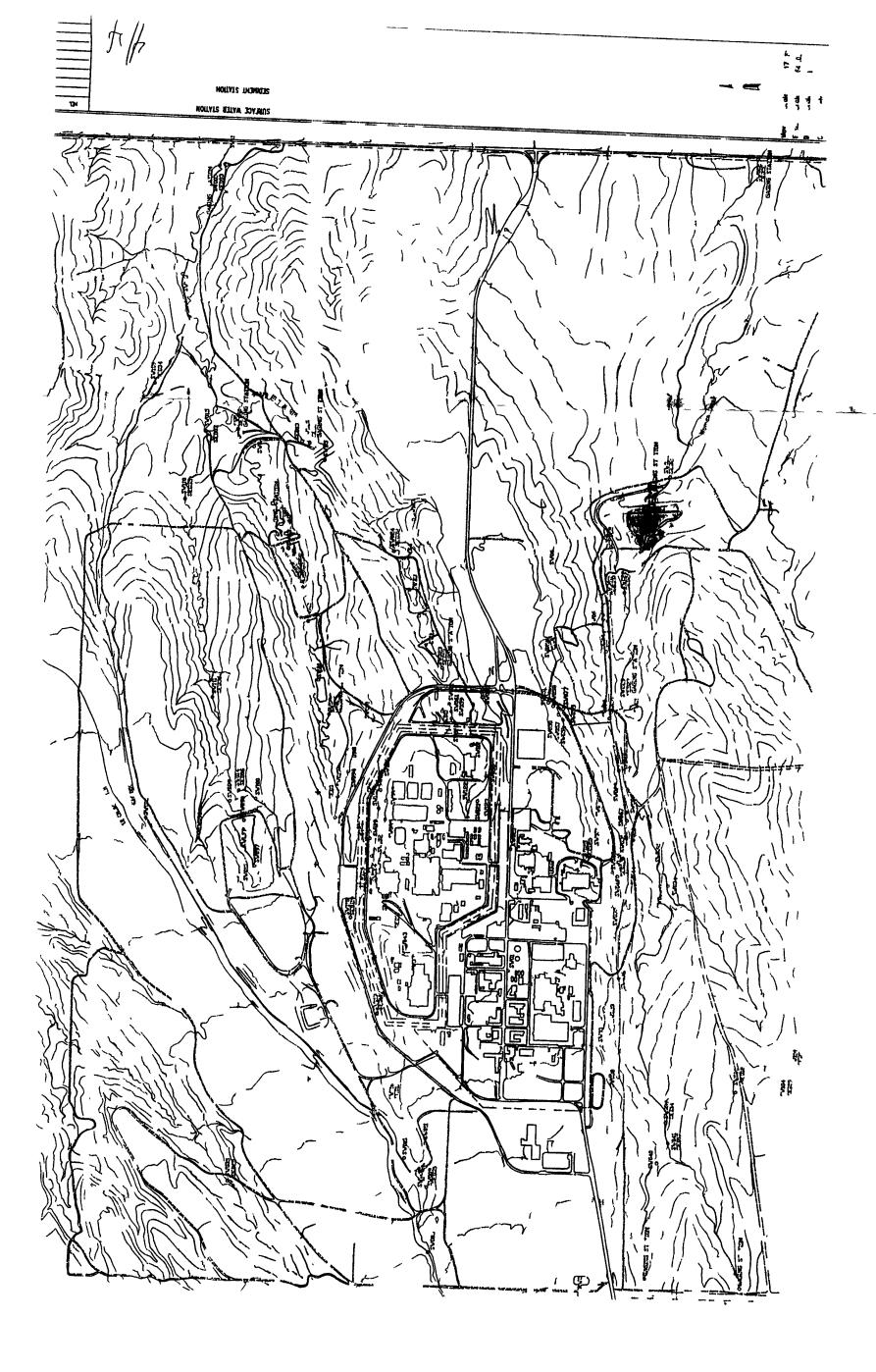
Source of observed results (if known). There was no natural precipitation for ten days prior to this sampling date

Current control/investigative actions. Pond C 2 is not being discharged

<u>Proposed control/investigative actions.</u> Further characterization of this area will be included as part of the characterization of Operable Unit 5 Woman Creek

Other comments. RFP is currently not reporting Pond C 2 data to regulating agencies because we are not discharging. Radionuclides are not required NPDES monitoring parameters.

Date of Report. May 14 91 Preparer. B A Montano



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